

**FIG. 1.**



2/15

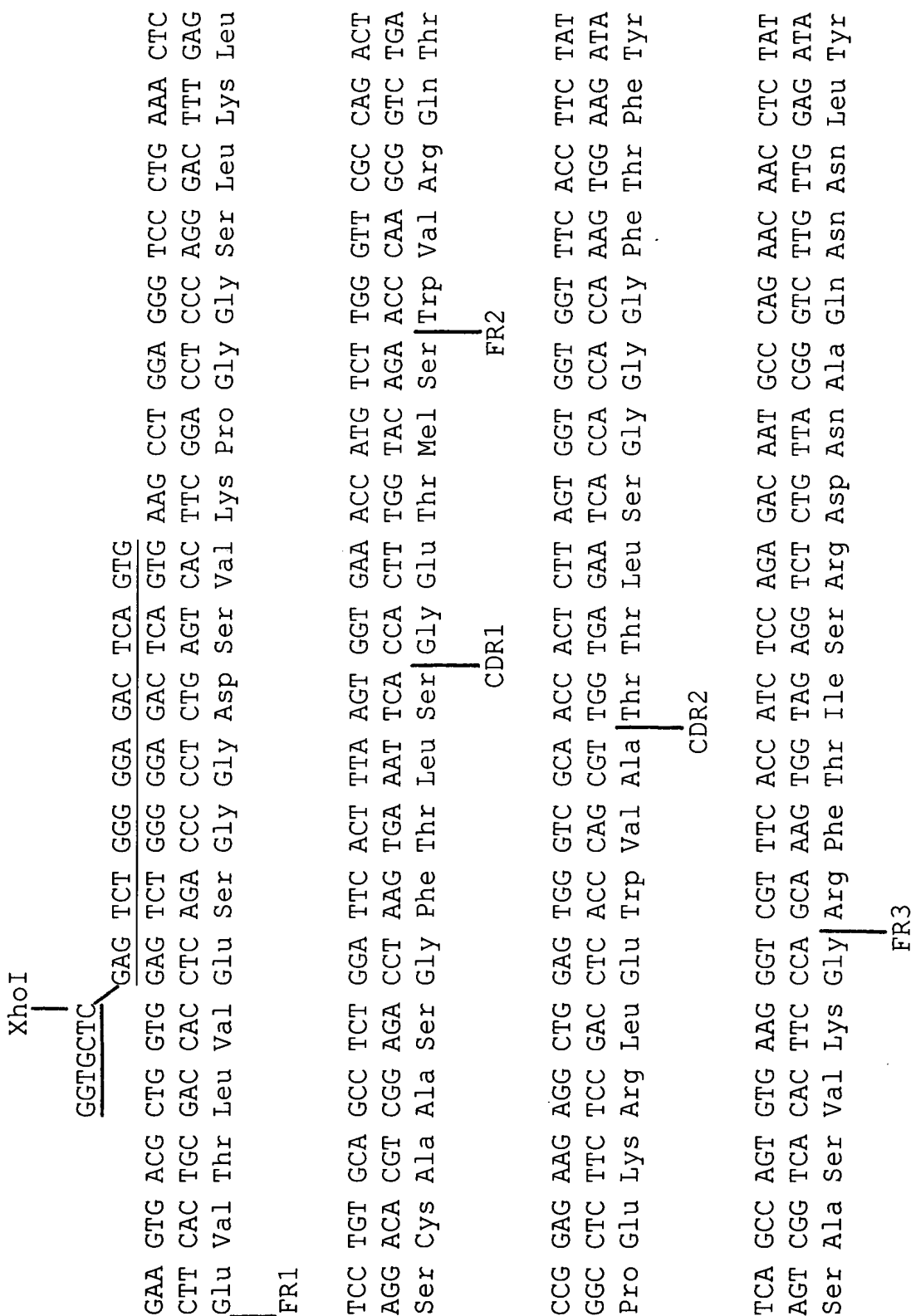


FIG. 2A.



3/15

CTA CAA CTG AAT AGT CTG AGG TCT GAG GAC ACG GCC TTG TAT TTC TGT GCA AGT CAT CGG	
GAT GTT GAC TTA TCA GAC TCC AGA CTC CTG TGC CGG AAC ATA AAG ACA CGT TCA GTA GCC	
Leu Gln Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Leu Tyr Phe Cys Ala Ser His Arg	
	CDR3
	CCC GGG GAG G
	AGA CGT CGG TTT TGC TG
	TCT GCA GCC AAA ACG ACA CCC CCA
TTT GTT CAC TGG GGC CAC GGG ACT CTG GTC ACT GTC	L-Apa I
AAA CAA GTG ACC CCG GTG CCC TGA CAG TGA CAG TGC TGT TGT GGT	
Phe Val His Trp Gly His Gly Thr Leu Val Thr Val Ser Ala Ala Lys Thr Thr Pro Pro	
	CH1
	FR4

FIG. 2B.



4/15

SstI  
CTCAGAGCTC  
GCT GTT GTG ACT CAG GAA TCT  
GCT GTT GTG ACT CAG GAA TCT  
CGA CAA CAC TGA GTC CTT AGA CGT GAG TGT AGT GGA CCA CTT TGT CAG TGT GAG TGA  
Ala Val Val Thr Thr Gln Glu Ser Ala Leu Thr Thr Ser Pro Gly Glu Thr Val Thr Leu Thr  
FR1  
TGT CGC TCA AGT ATT GGG GCT GTT ACA ACT AGT AAC TAT GCC AAC TGG GTC CAA GAA AAA  
ACA GCG AGT TCA TAA CCC CGA CAA TGT TGA TCA TTG ATA CGG TTG ACC CAG GTT CTT TTT  
Cys Arg Ser Ser Ile Gly Ala Val Thr Thr Ser Asn Tyr Ala Asn Trp Val Gln Glu Lys  
CDR1  
CCA GAT CAT TTA TTC ACT GGT CTA ATA GGT GGT ACC AAT AAC CGG GCT CCG GGT GTT CCT  
GGT CTA GTA AAT AAG TGA CCA CCA GAT TAT CCA CCA TGG TTA TTG GCC CGA GGC CCA CAA GGA  
Pro Asp His Leu Phe Thr Gly Thr Gly Ile Ile Gly Thr Asn Asn Arg Ala Pro Gly Val Pro  
CDR2  
GCC AGA TTC TCA GGC TCC CTG ATT GGA GAC AAG GCT GCC CTC ACC ATC ACA GGG GCA CAG  
CGG TCT AAG AGT CCG AGG GAC TAA CCT CTG TTC CGA CGG GAG TGG TAG TGT CCC CGT GTC  
Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Ala Leu Thr Thr Gly Ala Gln  
FR3

FIG. 3A.



5/15

ACT	GAA	GAT	GAG	GCA	AGA	TAT	TTC	TGT	GCT	CTA	TCG	TAC	TGC	AAC	CTC	TGG	GTG	TTC	GGT
TGA	CTT	CTA	CTC	CGT	TCT	ATA	AAG	ACA	CGA	GAT	ACC	ATG	ACG	TTG	GAG	ACC	CAC	AAG	CCA
Thr	Glu	Asp	Glu	Ala	Arg	Tyr	Phe	Cys	Ala	Leu	Trp	Tyr	Cys	Asn	Leu	Trp	Val	Phe	Gly

CDR3

FR4

GGA	GGA	ACC	AAA	CTG	ACT	GTC	CTA	AGC	CAG	CCC	AAG	TCT	TCG	CCA	TCA	GTC	ACC	CTG	TTT
CCT	CCT	TGG	TTT	GAC	TGA	CAG	GAT	TCG	GTC	GGG	TTC	AGA	AGC	GGT	AGT	CAG	TGG	GAC	AAA
Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Ser	Gln	Pro	Lys	Ser	Ser	Pro	Ser	Val	Thr	Leu	Phe

TTT GAC TGA CAG GAT TCG

BsiWI

CGTACGCTC

CCG	CCC	TCC	TCT	GAA	GAG	CTA	AGC	TTG	GGA	ATC	GGA	TTC	CCG	GG
GGC	GGG	AGG	AGA	CTT	CTC	GAT	TCG	AAC	CCT	TAG	CCT	AAG	GGC	CC
Pro	Pro	Ser	Ser	Glu	Glu	Leu	Ser	Leu	Gly	Ile	Gly	Phe	Pro	Gly

FR4

CH1

FIG. 3B.